

4. (Twice Amended) The ink according to claim 1, wherein said copolymer has a glass transition point ranging from -30 through 45 °C.

14. (Three Times Amended) Ink comprising:
a copolymer particle that has a glass transition point less than or equal to 45 °C, a softening point measured by a flow tester ranging from 40 through 150°C and a volume average particle diameter ranging from 0.01 through 2 μm obtained from a radical polymeric monomer composition consisting essentially of:
(a) 20 through 99 wt% of styrene;
(b) 10 through 80 wt% of alkyl acrylate or alkyl methacrylate; and
(c) 5 wt % or more of polymeric monomer including a polar group;
a colorant; and
a solvent that is liquid at room temperature.

16. (Three Times Amended) An ink cartridge including a case and ink which is stored n said case and comprises:
a copolymer particle that has a glass transition point less than or equal to 45°C, a softening point measured by a flow tester ranging from 40 through 150°C and a volume average particle diameter ranging from 0.01 through 2 μm obtained from a radical polymeric monomer composition consisting essentially of:
(a) 20 through 99 wt% of styrene; and
(b) 10 through 80 wt% of alkyl acrylate or alkyl methacrylate; and

8 Sub
9 03
10 Cont.

(c) 5 wt % or more of polymeric monomer including a polar group;
a colorant; and
a solvent that is liquid at room temperature.

17. (Three Times Amended) A recording device including a head and an ink cartridge supplying
ink to said head, wherein said ink comprises:

a copolymer particle that has a glass transition point less than or equal to 45 °C, a softening point
measured by a flow tester ranging from 40 through 150°C and a volume average particle diameter ranging
from 0.01 through 2 μm obtained from a radical polymeric monomer composition consisting essentially of:

(a) 20 through 99 wt% of styrene; and

(b) 10 through 80 wt% of alkyl acrylate or alkyl methacrylate; and

(c) 5 wt % or more of polymeric monomer including a polar group;

a colorant; and

a solvent that is liquid at room temperature.

18. (Amended) A recording device according to claim 17, wherein said head is an inkjet head
using a piezoelectric element.